Case 22-16159-CMG Doc 199 Filed 02/21/23 Entered 02/21/23 14:52:57 Desc Main Document Page 1 of 17

Fill in	his information to identify the case:				
Debtor	Name ASSUNCAO BROS, iNC.				
United	States Bankruptcy Court for the: District of New Jersey				
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Case ni	mber: 22-16159	amende			
O46;	115 4050				
OTTIC	sial Form 425C				
Mar	this Operating Depost for Small Pusiness Huder Charter 44				
IVIOII	thly Operating Report for Small Business Under Chapter 11			12/17	
Month	Month: January 2023 Date report filed: 02/20/2023 MM / DD / YYYY				
Line of	business: Road&Bridge Construction NAISC code:	2373			
In acc	ordance with title 28, section 1746, of the United States Code, I declare under penalty of perjury				
	ave examined the following small business monthly operating report and the accompanying ments and, to the best of my knowledge, these documents are true, correct, and complete.				
	sible party: Martin Assuncao				
	signature of responsible party				
	name of responsible party Martin Assuncae				
Timod					
	1. Questionnaire				
An	swer all questions on behalf of the debtor for the period covered by this report, unless otherwise indicated.	· Alberton			
	If you answer No to any of the questions in lines 1-9, attach an explanation and label it Exhibit A.	Yes	No	N/A	
1.	Did the business operate during the entire reporting period?	<u> </u>			
2.	Do you plan to continue to operate the business next month?				
3.	3. Have you paid all of your bills on time?				
4.	Did you pay your employees on time?				
5.	Have you deposited all the receipts for your business into debtor in possession (DIP) accounts?				
6.	Have you timely filed your tax returns and paid all of your taxes?				
7.	Have you timely filed all other required government filings?				
8.	Are you current on your quarterly fee payments to the U.S. Trustee or Bankruptcy Administrator?				
9.	Have you timely paid all of your insurance premiums?	V			
	If you answer Yes to any of the questions in lines 10-18, attach an explanation and label it Exhibit			_	
10.	Do you have any bank accounts open other than the DIP accounts?		y		
11.	Have you sold any assets other than inventory?		W.		
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12.	Have you sold or transferred any assets or provided services to anyone related to the DIP in any way?		¥		
	Have you sold or transferred any assets or provided services to anyone related to the DIP in any way? Did any insurance company cancel your policy?		V V		
13.					
13. 14.	Did any insurance company cancel your policy?		V		

FOR THE PURPOSES OF INFORMATION ONLY

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THYROTROPIN-RELEASING HORMONE ANALOGS IN CNS INJURY BACKGROUND OF THE INVENTION

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Thyrotropin-releasing hormone (TRH), L-pyroglutamyl-L-histidyl-L-prolineamide, has been found in the spinal cord and has been found to have a variety of effects on the central nervous system. For example, TRH has potent excitatory effects in the spinal cord, thereby increasing neuronal activity and enhancing monosynaptic and polysynaptic reflexes.

10 TRH improves long-term neurologic outcome following experimental spinal trauma. Consequently, L-pyro-2-aminoadipyl-histidyl-thiazolidine-4-carboxamide and orotyl-L-histidyl-L-prolineamide, synthetic analogs thereof, were studied for such activity in Faden et al., Neurology, Vol. 35, pp. 1331-1334 (1985).

DETAILED DESCRIPTION OF THE INVENTION

The present invention provides a method of treating traumatic central nervous system injury in a patent suffering from brain or spinal cord trauma which comprises administering to said patient an effective amount of a thyrotropin-releasing hormone analog having preservation of carboxy-terminal prolineamide moiety. The TRH analog of the present invention can also be any analog which modifies the pyroglutamyl moiety so as to prevent enzyme degradation or increase CNS potency. Exemplary modifications include replacement of the pyrrolidinone residue with other rings. These new rings preferably contain the moiety O=C-NH-C-.

Fluorinated histidyl analogs are also contemplated by the present invention. Exemplary of such analogs are 2-fluoro and 4-fluoro histidyl TRH analogs. These analogs can be prepared through the fluorination of TRH by conventional techniques.

Iodinated TRH analogs, preferably 2,4-diodo-(Im)-TRH analogs are additionally contemplated in the present invention. Preferably, said thyrotropin-releasing hormone

analog is selected from the group comprising 6-methyl-5-oxo-thiomorpholinyl-3-carbonyl-histidyl-prolineamide, 4-(2-oxo-trimethylenimine)-carbonyl-histidyl-prolineamide, and 4-(2-oxo-furan)-carbonyl-histidyl-prolineamide.

hormone analog of the present invention there is contemplated an amount of analog substantially higher than that required to induce maximal thyrotropin-releasing hormone activity. An effective amount of the thyrotropin-releasing hormone analog of the present invention is from about 0.2 to about 2 mg/kg body weight of the patient administered 2-4 times during the first 48 hours after trauma, 1-2 times daily thereafter. A preferred embodiment of the present invention involves an effective amount of the hormone analog from about 0.2 to 1 mg/kg body weight of the patient administered within 24 hours of trauma by 2-4 intravenous or intramuscular injections over 24 hours.

The thyrotropin-releasing hormone analog of the present invention may be administered to the patient in any dosage form convenient under the patient's specific circumstances.

Usually, parenteral administration is preferred.

As a parenteral dosage form there is contemplated a dosage unit suitable for intravenous administration which comprises (i) an effective amount of a thyrotropin25 releasing hormone analog having an unmodified carboxy terminus and (ii) a pharmaceutically acceptable solution.

As a pharmaceutically acceptable solution there is contemplated any solution which is safe for injection and which is biologically inert and hence does not interfere with the active ingredient. As such a pharmaceutically acceptable solution may include an isotonic solution suitable for injection into a patient. The isotonic solution may contain water, salt and conventional ingredients such as glucose.

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Such a pharmaceutically acceptable solution may contain purified water admixed with preservatives, flavors, colorants, flavor enhancing agents and other excipients. Exemplary of such additives are sodium benzoate, methyl paraben, propylene glycol, glycerin, sorbitol, alcohol, sucrose, saccharin, menthol and citric acid.

A preferred embodiment of the present invention provides a method of treating traumatic central nervous system injury in a patient suffering from brain or spinal trauma through administration of a thyrotropin-releasing hormone analog which is 6-methyl-5-oxo-thiomorpholinyl-3-carbonyl-histidyl-prolineamide. 6-Methyl-5-oxo-thiomorpholinyl-3-carbonyl-histidyl-prolineamide. 4-(2-0xo-trimethylenimine)-carbonyl-histidyl-prolineamide may be obtained through Chemie Grünenthal.

Another preferred embodiment of the present invention provides a method of treating traumatic central nervous system injury in a patient suffering from brain or spinal trauma through administration of a thyrotropin-releasing hormone analog which is 4-(2-oxo-trimethylenimide)-carbonyl-histidyl-prolineamide may be obtained through Dow Chemical Company.

A preferred embodiment of the present invention provides a method of treating traumatic central nervous system injury in a patient suffering from brain or spinal trauma through administration of a thyrotropin-releasing hormone analog which is 4-(2-oxo-furan)-carbonyl-histidyl-prolineamide. 4-(2-oxo-furan)-carbonyl-histidyl-prolineamide may be obtained through Yamanouchi Pharmaceutical Co., Ltd.

An additional embodiment of the present invention provides a method of treating traumatic central nervous system injury in a patient, wherein a thyrotropin-releasing hormone analog is administered in a dosage of from about

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0.2 to about 2 mg/kg 2-4 times daily. A more preferred embodiment involves a method, wherein a thyrotropin-releasing hormone analog is administered in a dosage of from about 0.2 to about 1 mg/kg 2 times daily.

The following illustrate the invention.

EXAMPLE 1

6-Methyl-5-oxy-thiomorpholinyl-3-carbonyl-histidyl-prolineamide is admixed with 15 cc isotonic solution to obtain a final concentration of active ingredient in the solution of 5 mg/cc.

EXAMPLE 2

4-(2-0xo-trimethylenimine)-carbonyl-histidyl-prolineamide is admixed with 15 cc isotonic solution to obtain a final concentration of active ingredient in the solution of 10 mg/cc.

EXAMPLE 3

4-(2-0xo-furan)-carbonyl-histidyl-prolineamide is admixed with 12.5 cc isotonic solution to obtain a final concentration of active ingredient in the solution of 7.5 20 mg/cc.

EXAMPLE 4

Induction of tissue protective activity in a patient suffering from traumatic central nervous system injury is accomplished through injection of 10 cc of the pharmaceutical preparation of Example 1 2 times daily for 1 day.

EXAMPLE 5

Induction of tissue protective activity in a patient suffering from traumatic central nervous system injury is accomplished through injection of 15 cc of the pharmaceutical preparation of Example 2 4 times daily for 2 days.

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EXAMPLE 6

Induction of tissue protective activity in a patient suffering from traumatic central nervous system injury is accomplished through injection of 10 cc of the pharmaceutical preparation of Example 3 2 times daily for 30 days.

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WHAT IS CLAIMED IS:

- 1. A method of treating traumatic central nervous system injury in a patient suffering from brain or spinal cord trauma which comprises administering to said patient an effective amount of a thyrotropin-releasing hormone analog having preservation of the terminal prolineamide moiety.
- A method of claim 1, wherein said thyrotropinreleasing hormone analog is 6-methyl-5-oxo-thiomorpholinyl-3-carbonyl-histidyl-prolineamide.
- 3. A method of claim 1, wherein said thyrotropinreleasing hormone analog is 4-(2-oxo-trimethylenimine)carbonyl-histidyl-prolineamide.
- 4. A method of claim 1, wherein said thyrotropinreleasing hormone analog is 4-(2-oxo-furan)-carbonyl-15 histidyl-prolineamide.
 - 5. A method of claim 1, wherein said thyrotropin-releasing hormone analog is administered in a dosage of from about 0.2 to about 2 mg/kg 2 times daily.
- 6. A method of claim 1, wherein said thyrotropin-20 releasing hormone analog is administered in a dosage of from about 0.2 to about 2 mg/kg 4 times daily.
- 7. A method of treating traumatic central nervous system injury in a patient suffering from brain or spinal cord trauma which comprises administering to said patient an effective amount of a thyrotropin-releasing hormone analog having a fluorine or iodine substituted histidyl moiety.
- 8. A method of claim 7, wherein said thyrotropinreleasing hormone analog is administered in a dosage of 30 from about 0.2 to about 2 mg/kg 2 times daily.
 - 9. A method of claim 7, wherein said thyrotropin-releasing hormone analog is administered in a dosage of from about 0.2 to about 2 mg/kg 4 times daily.

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10. A method of treating traumatic central nervous system injury in a patient suffering from brain or spinal cord trauma which comprises administering to said patient an effective amount of a thyrotropin-releasing hormone analog having a terminal ring containing

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C-NH-C-.

- 11. A method of claim 10, wherein said thyrotropinreleasing hormone analog is administered in a dosage of 10 from about 0.2 to about 2 mg/kg 2 times daily.
 - 12. A method of claim 10, wherein said thyrotropin-releasing hormone analog is administered in a dosage of from about 0.2 to about 2 mg/kg 4 times daily.

PATENT COOPERATION TREATY

DECLARATION OF NON-ESTABLISHMENT OF INTERNATIONAL SEARCH REMORT

issued pursuant to PCT Article 17(2)(a)(1)

IDENTIFICATION OF THE INTERNATIONAL APPLICATION	APPLICANT'S OR AGENT'S FILE REFERENCE					
International Application No.	International Filing Date					
PCT/US 88/01837	6th June 1988					
Receiving Office	Priority Data Claimed					
RO/US	5th June 1987					
MEDICIS CORPORATION	Applicant (Name)					
MEDICIS CONTONATION						
DECLARA	DECLARATION					
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1. The subject matter of the	international_application relates to:(2)					
a scientific theories ·						
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c. plant varieties.						
d. animal varieties.						
e. essentially biological processes for the production of plants and animals, other than microbiological processes and the products of such processes.						
f. schemes, rules or methods of doing business.						
g. schemes, rules or methods of performing purely mental acts.						
h. schemes, rules or methods of playing games.						
1. X methods for treatment of the human body by surgery or therapy.						
j. methods for treatment of the animal body by surgery or therapy.						
k. diagnostic methods.						
m. computer programs for which this International Searching Authority is not equipped to search prior art.						
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